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Full Title of the Project: Diversion of 3.627 ha of forest land 3.009 ha. Mewat division & 0.618 Palwal Division for laying of 900 & 600 MMI/DDi water supply pipe line for 80 No. of village of firozpur jhirka and Nagina Block in distt. mewat and Hodal Block in palwal Distt. under NABARD Scheme.

File No. :
Date of Proposal: FP/HR/Water/35225/2018
24.08.2018

CHECK LIST SERIAL NUMBER:-18
"CA SCHEME"

Name of the Forest/Reach to be diverted: Diversion of 3.627 ha of forest land 3.009 ha. Mewat division & 0.618 Palwal Division for laying of 900 & 600 MMI/DDi water supply pipe line for 80 No. of village of firozpur jhirka and Nagina Block in distt. mewat and Hodal Block in palwal Distt. under NABARD Scheme.

Details of degraded forest land/non-forest land where C.A. is to be carried out.

Division: -Nuh District -Nuh

Tehsil Tauru Range Nuh

C.A. Site name : Kharak Sohna Sec 4&5.

GPS Reading :-

N 77.011443	E 28.29686	(6.424 ha.)
N 77.008854	E 28.295459	
N 77.011678	E 28.295482	
N 77.012187	E 28.294574	
N 77.009544	E 28.29358	
N 77.012304	E 28.293337	
N 77.012411	E 28.292181	
N 77.010348	E 28.291357	

Area to be Afforested :-

- a) Whether the site selected for Compensatory Afforestation is a Land bank (Yes or No): **Yes**
- b) If the CA site is other than the land bank, reasons be given:- **N.A.**
- In case of non-forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary :-
- i) Soil type: **Sandy to Sandy Loam.**
- ii) Topography a. Hilly/Undulating/Plain: **Undulating**
b. Slope:-Steep/Medium/Gentle: **Gentle to steep**
- iii) Whether the area is bearing any root stock of vegetation:- **At some hilly places.**

Plantation Model:-

Copy of the approved Compensatory Afforestation Scheme/Model showing component wise physical and financial break up is as under ;

Detail of year wise break-up of requirements of funds is as under:-
The Plantation is calculated for **Plantation as per Tall Plants**. At 5m X 4m spacing and 250 plants per Hec. at the wages rate approved 2018-19 at Rs326.82/- as per wage plants as under:-

Sr. No.	Year	Rate per plant
1	1 st Year Plantation	359.10/- Per Plant
2	2 nd Year Maintenance	115.35/- Per Plant
3	3 rd Year Maintenance	41.89/- Per Plant
4	4 th Year Maintenance	15.58/- Per Plant
5	5th Year Maintenance	15.58/- Per Plant
6	6th Year Maintenance	15.58/- Per Plant
7	7th Year Maintenance	15.58/- Per Plant
8	8th Year Maintenance	15.58/- Per Plant
9	9th Year Maintenance	15.58/- Per Plant
10	10th Year Maintenance	15.58/- Per Plant
	Total Cost.	625.40/-

Area to be Diverted = **3.009 ha.**

No. of trees to be felled= **149**

Plants to be damaged= **203**

Plants to be planted= **6018 No.**

Area to be planted = Two time of the area to be diverted= **3.009x2=6.018 ha.**

Plants to be Planted = **6018 (@ 1000 plant per ha.)**

Additional C.A in lieu of plants to be damaged (Double) the plants to be damaged) **406**

S. No.	Description	Total Area No. of plants	Rate	Total Amount (Rs.)
A	Compensatory Afforestation Charges			
1	1st Year Plantation	6018	359.10/- Per Plant	2161063.80
2	2nd Year Plantation	6018	115.35/- Per Plant	694176.30
3	3rd Year Plantation	6018	41.89/- Per Plant	252094.02
4	4th Year Plantation	6018	15.58/- Per Plant	93760.44
5	5th Year Plantation	6018	15.58/- Per Plant	93760.44
6	6th Year Plantation	6018	15.58/- Per Plant	93760.44
7	7th Year Plantation	6018	15.58/- Per Plant	93760.44
8	8th Year Plantation	6018	15.58/- Per Plant	93760.44
9	9th Year Plantation	6018	15.58/- Per Plant	93760.44
10	10th Year Plantation	6018	15.58/- Per Plant	93760.44

11	Barbed Wire Fencing Charge	24.072 RKM	Rs. 160000 per km.	3851520
	Total Charges)			7615177
	Supervisory/Overhead/Miscellaneous Charges		10% On the CA Charges	761518
	Total (A) C.A Charges			8376695
Additional Compensatory Afforestation Charges				
B	Compensatory Afforestation Charges	No. of Plants		
1	1st Year Plantation	406	359.10/- Per Plant	145794.60
2	2nd Year Plantation	406	115.35/- Per Plant	46832.10
3	3rd Year Plantation	406	41.89/- Per Plant	17007.34
4	4th Year Plantation	406	15.58/- Per Plant	6325.58
5	5th Year Plantation	406	15.58/- Per Plant	6325.58
6	6th Year Plantation	406	15.58/- Per Plant	6325.58
7	7th Year Plantation	406	15.58/- Per Plant	6325.58
8	8th Year Plantation	406	15.58/- Per Plant	6325.58
9	9th Year Plantation	406	15.58/- Per Plant	6325.58
10	10th Year Plantation	406	15.58/- Per Plant	6325.58
		1.624 RKM		259840
11	Barbed Wire Fencing Charge=		Rs. 160000 per km.	
	Total (B) Addl. C.A Charges			513752
C	Catchment Area Treatment (if required)			
	Soil and Moisture Conservation Charges		30% of the Total C.A	2513008
D	Safety Zone (if required)			0
E	Additional Charges (if required)			0
F	Net Present Value of Forest Land to be diverted		Rs. 887000/- per ha.	2668983
G	Felling Charges = M ³	51.14 m ³	Rs.1200/- per m ³	61368
H	Exigency Charges 3% of the Total Cost of (A+B+C+D+E+F+G)			424014
GRANT TOTAL				14557820

2. Technical details:-

Technical details of Compensatory Afforestation Scheme are as follows:-

- General Details:- Plantation will be done with 3 strand barbed wire.
- Spacing:- 4 × 5 meter
- Species:- Ronj (Acacia leucophloea), Khairi (Prosopis cineraria), Pahari Papri (Holoptelea integrifolia), Neem (Azadirachta indica)
- Plantation Method :- Tall Plantation
- Soil and Moisture Conservation Works:-
- Protection (Fencing, Watch man, People's Participation etc.): - **Fencing**
- Proposed Monitoring Mechanism:- (M&E),
- Any Other information:- Nil.

Place:

Dated :

Note : CF (T) should countersign this C.A. scheme if area to be afforested is more than 5 hectare.

Divisional Forest Officer
Mewat-Nuh